

Fig. 1

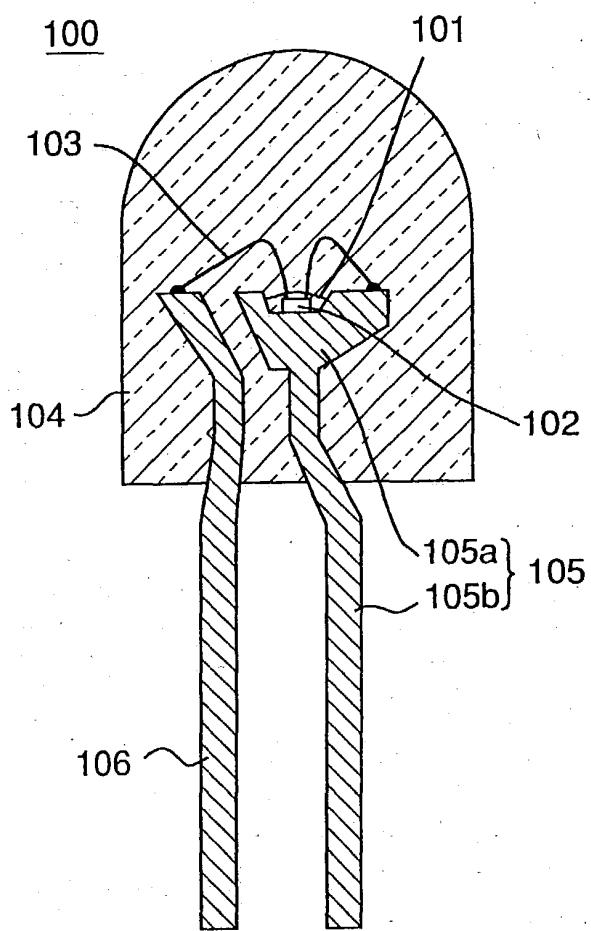


Fig. 2

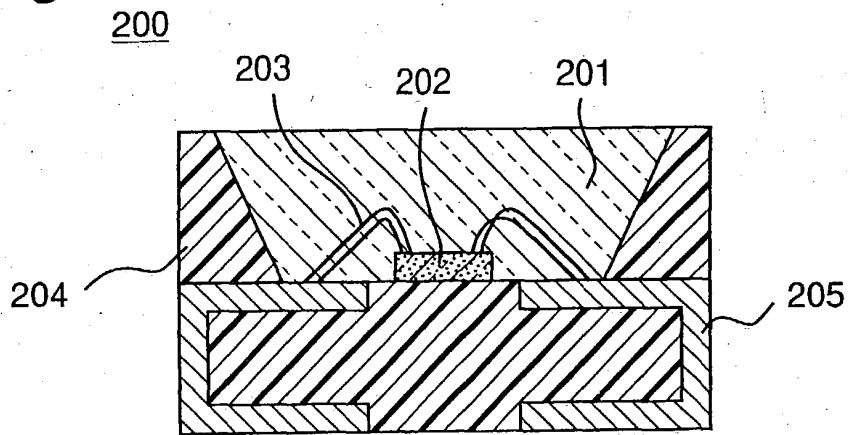


Fig.3A

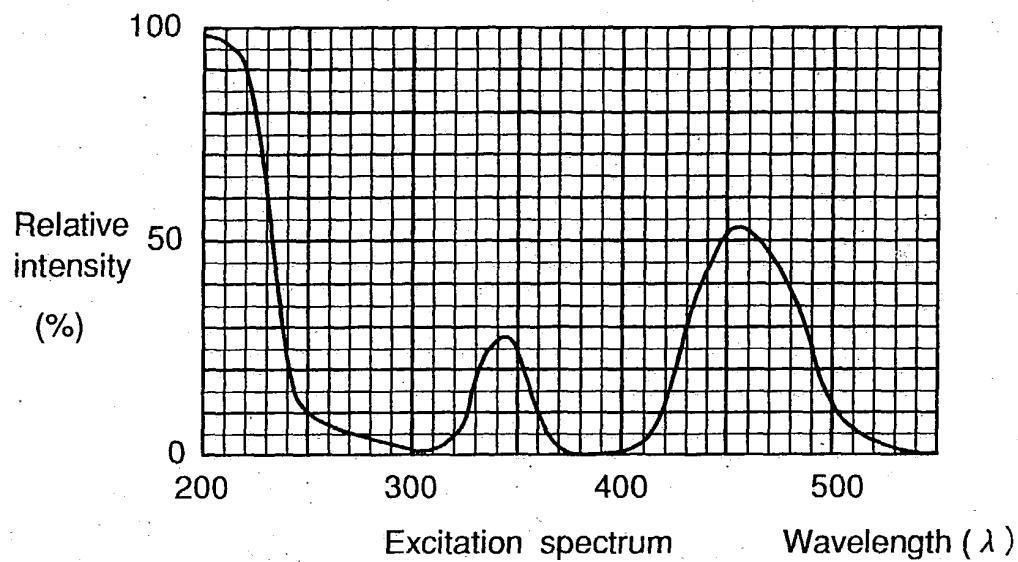


Fig.3B

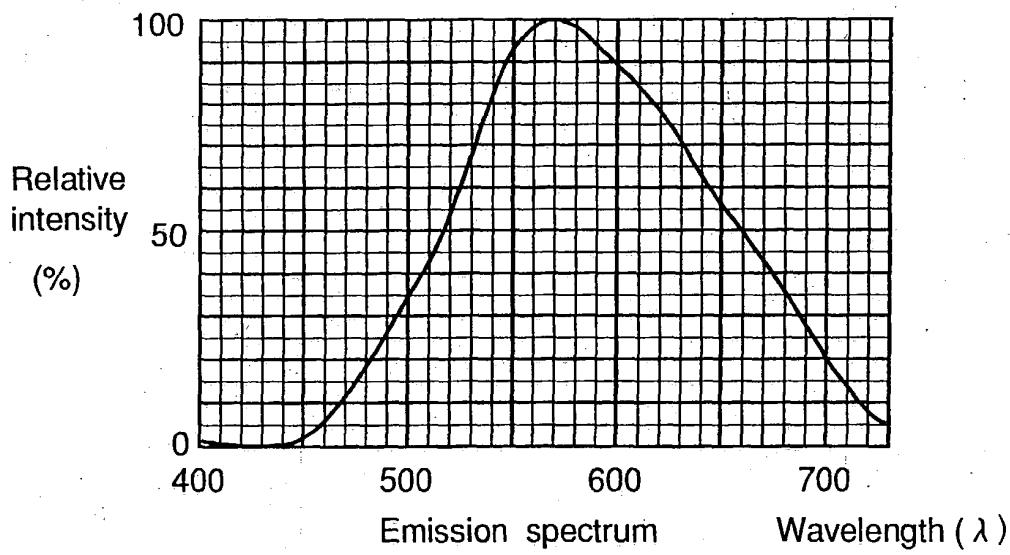


Fig. 4

Emission spectrum

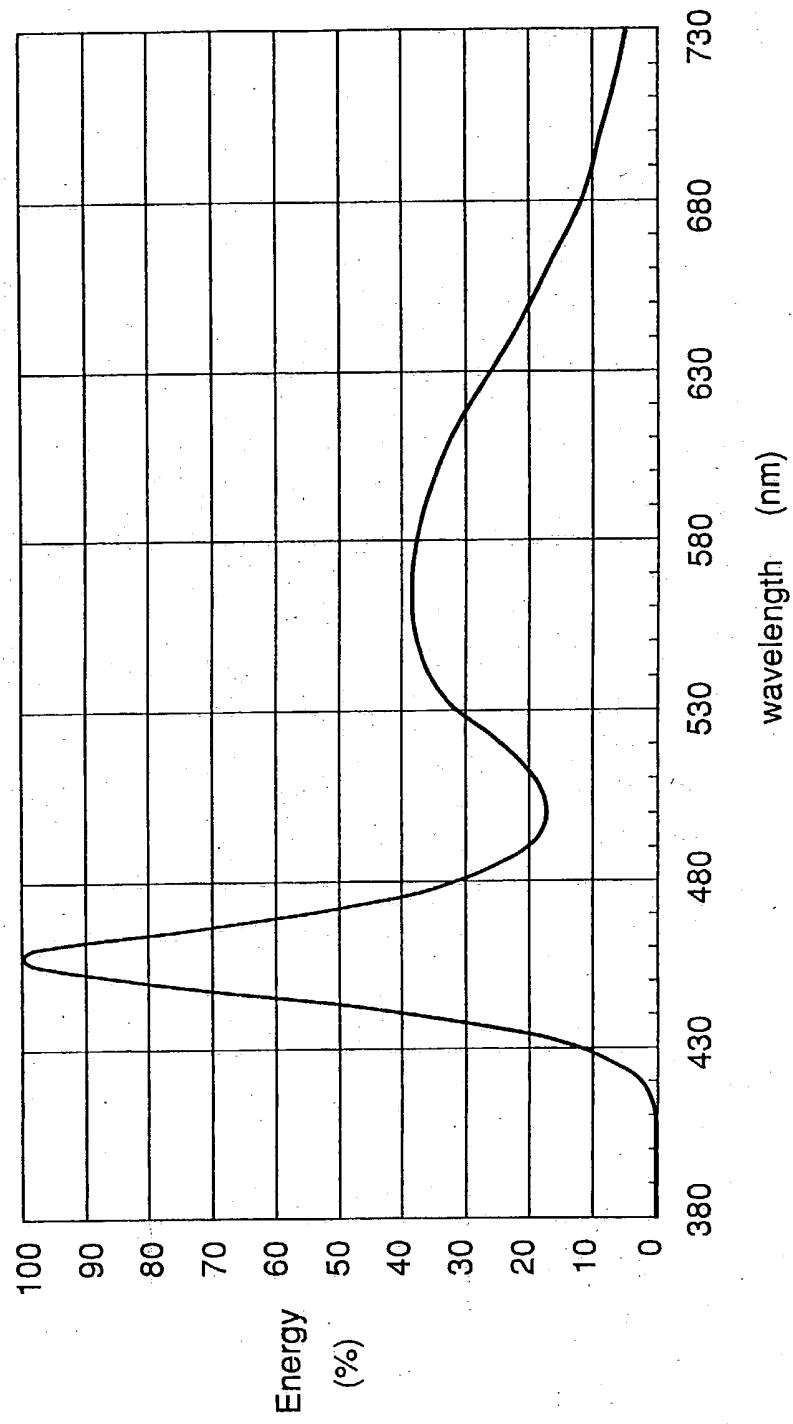


Fig.5A

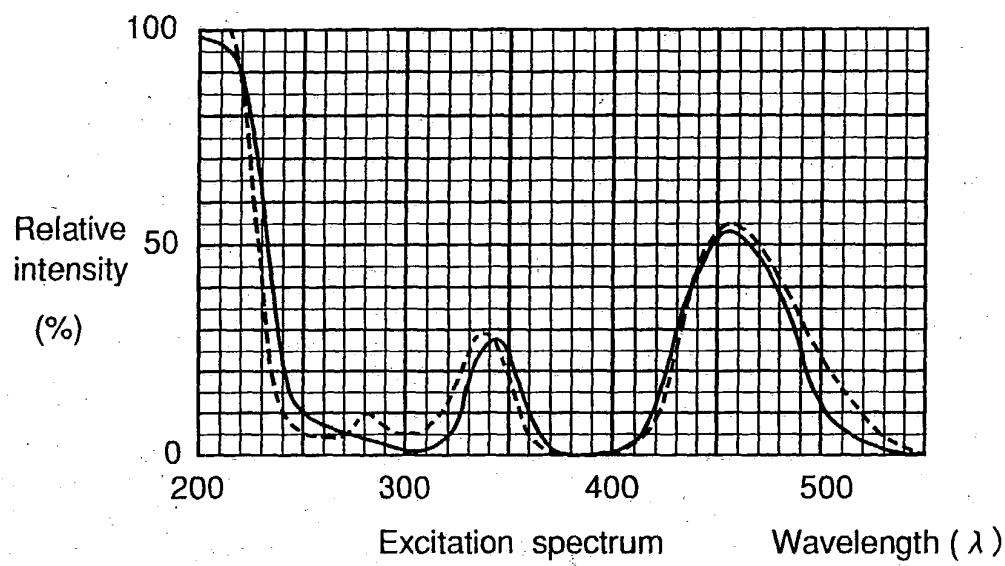


Fig.5B

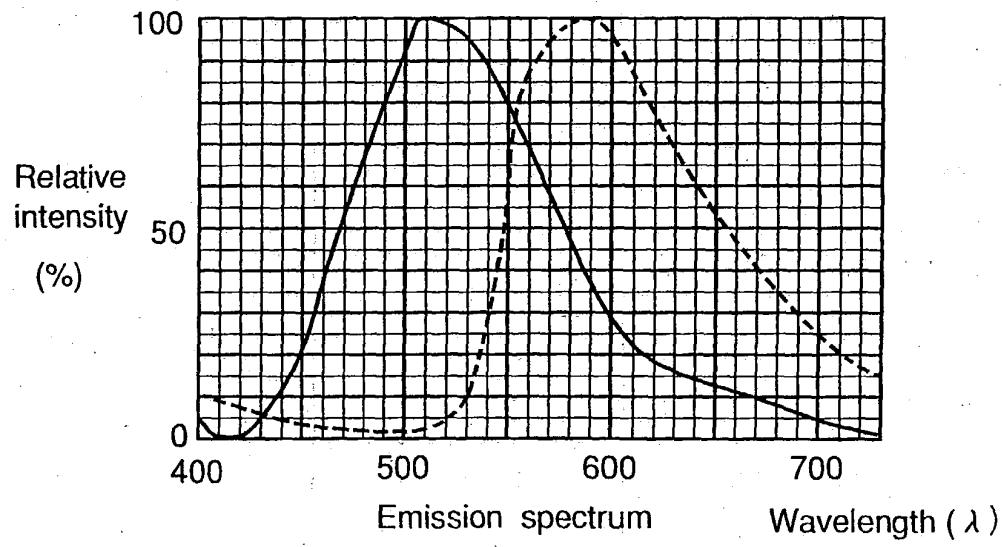


Fig.6

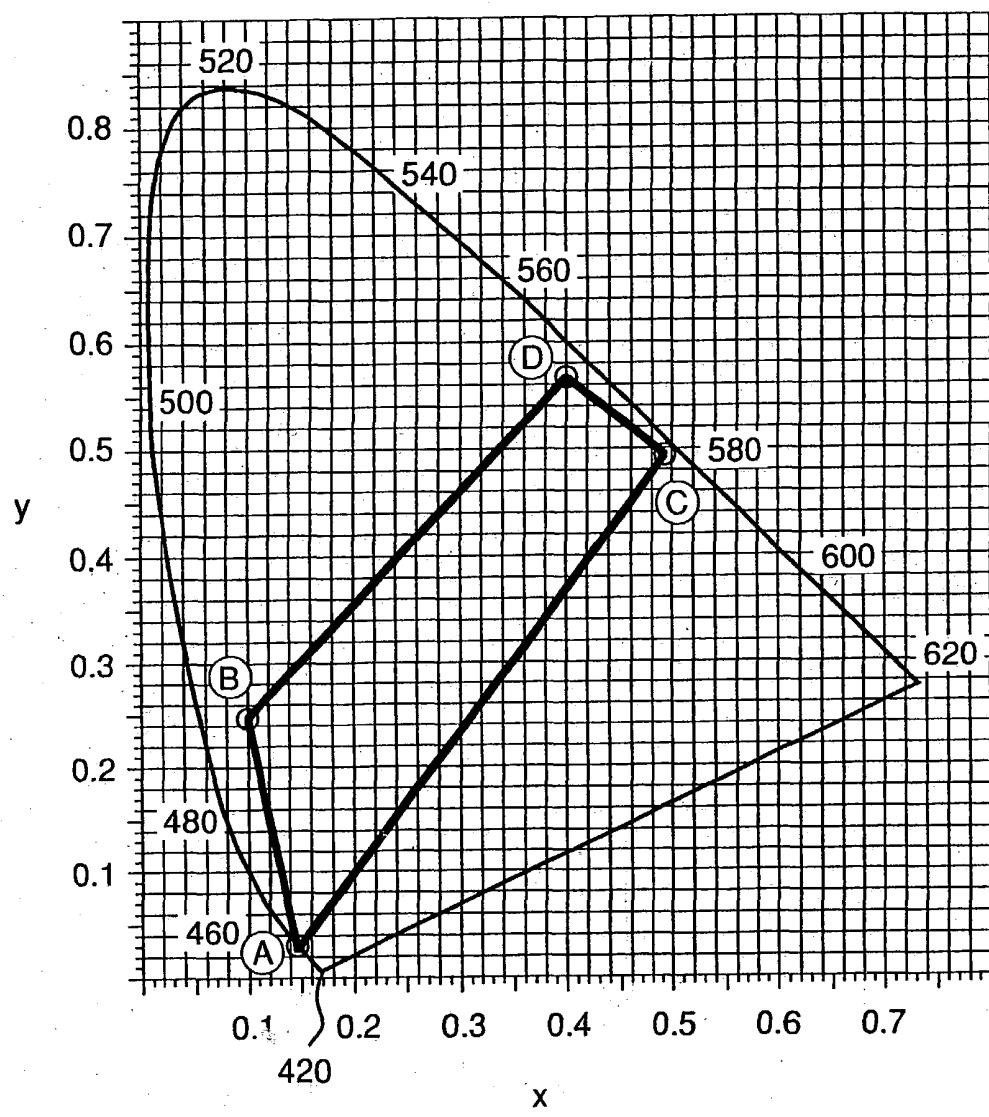


Fig.7

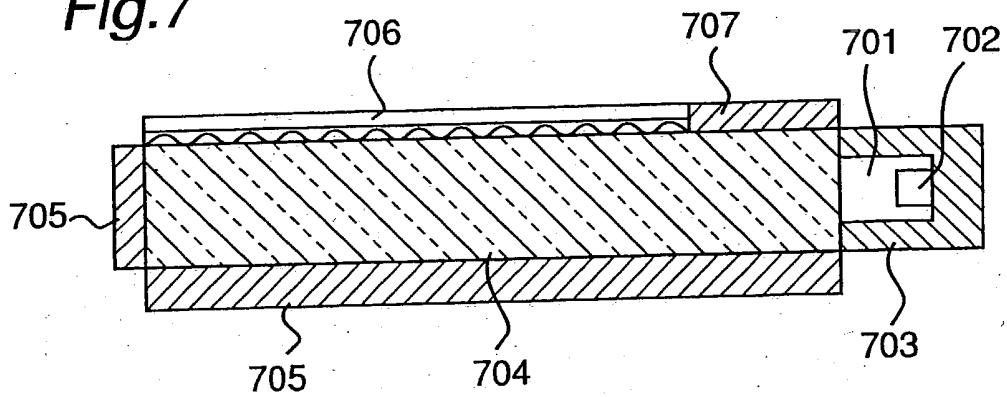


Fig.8

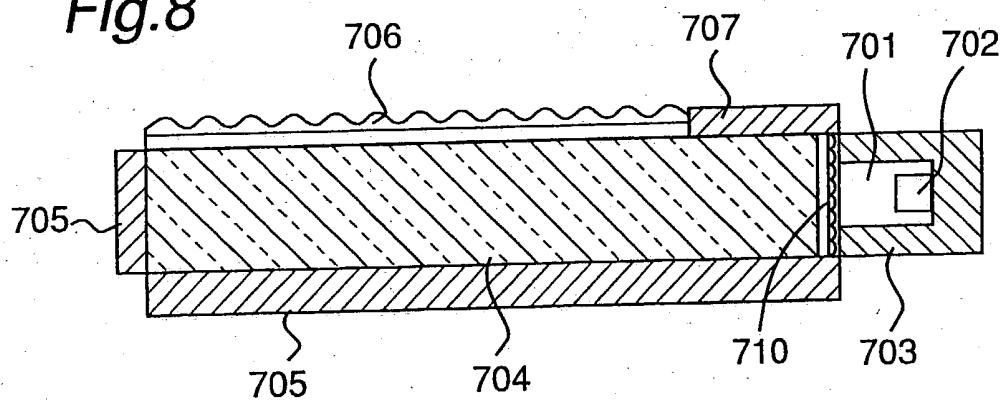


Fig.9

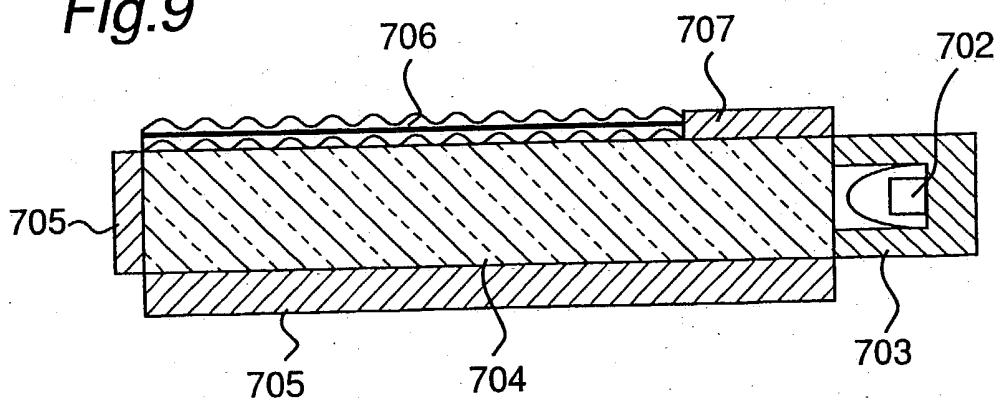


Fig.10

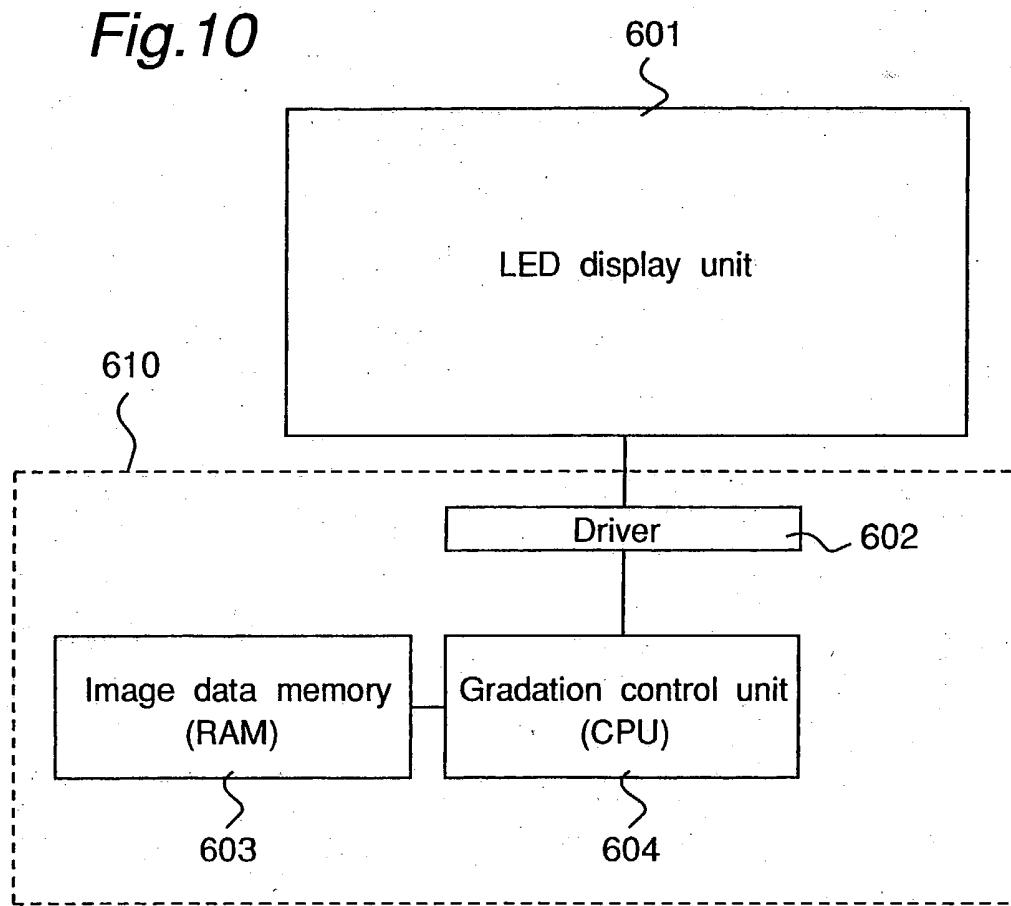


Fig. 11

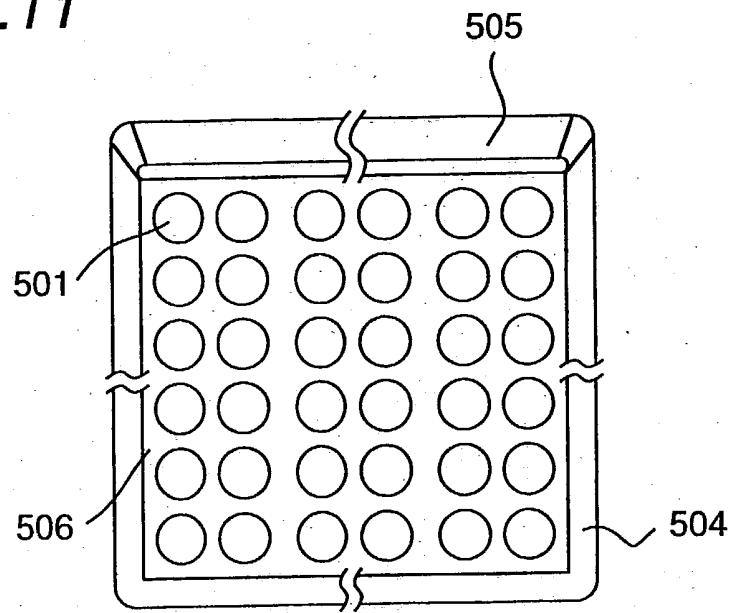


Fig. 12

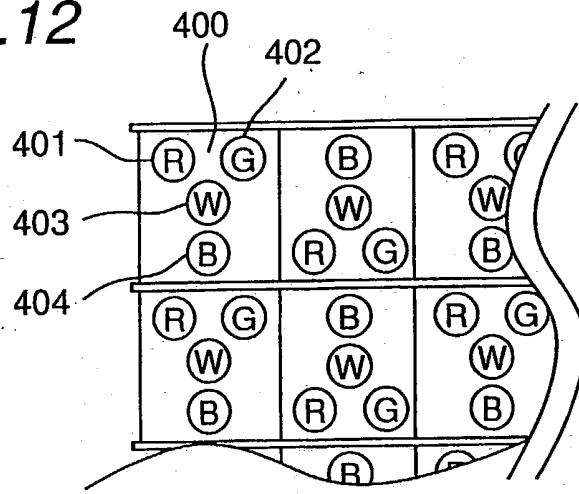


Fig. 13A

Life test
 $I_f=20\text{mA}$ $T_a=25^\circ\text{C}$

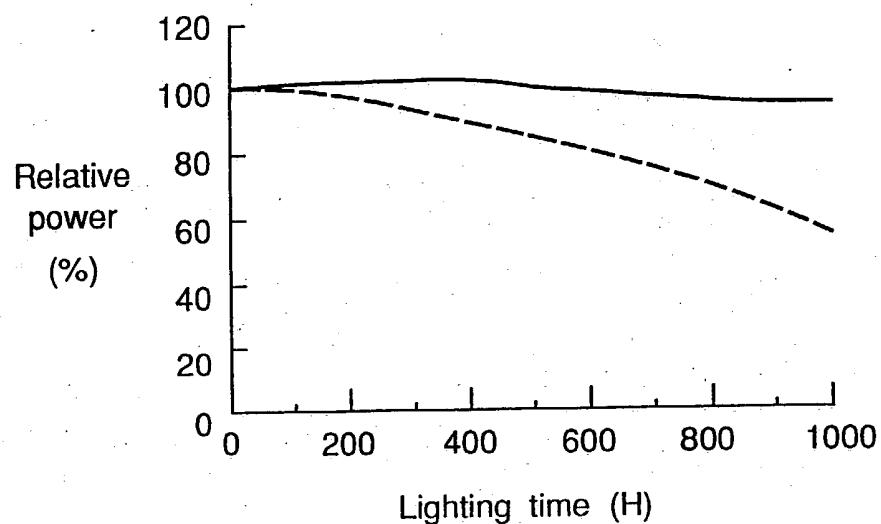


Fig. 13B

Life test
 $I_f=20\text{mA}$ $T_a=60^\circ\text{C}$ 90%RH

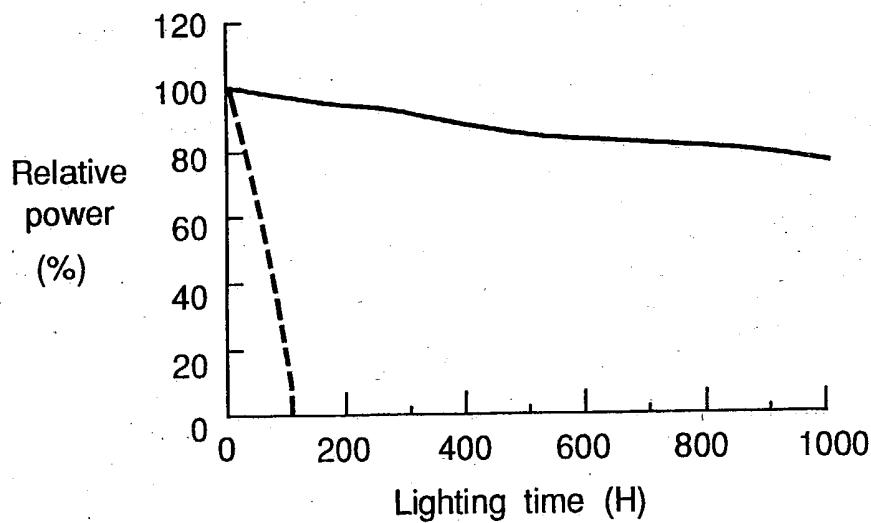


Fig. 14A

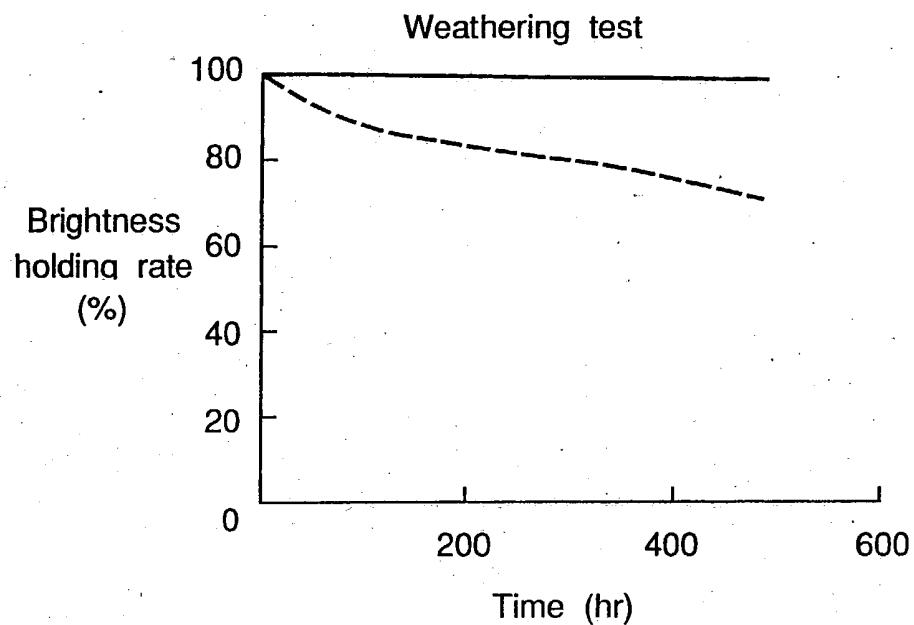


Fig. 14B

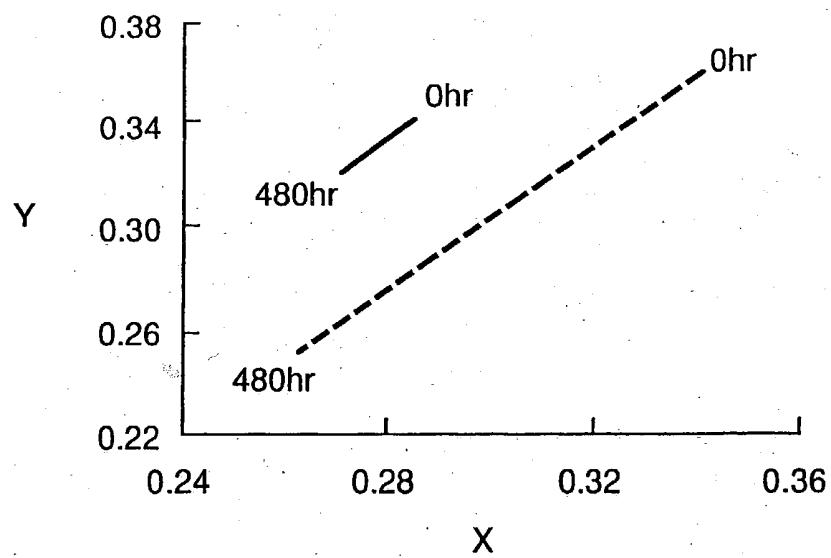


Fig. 15A

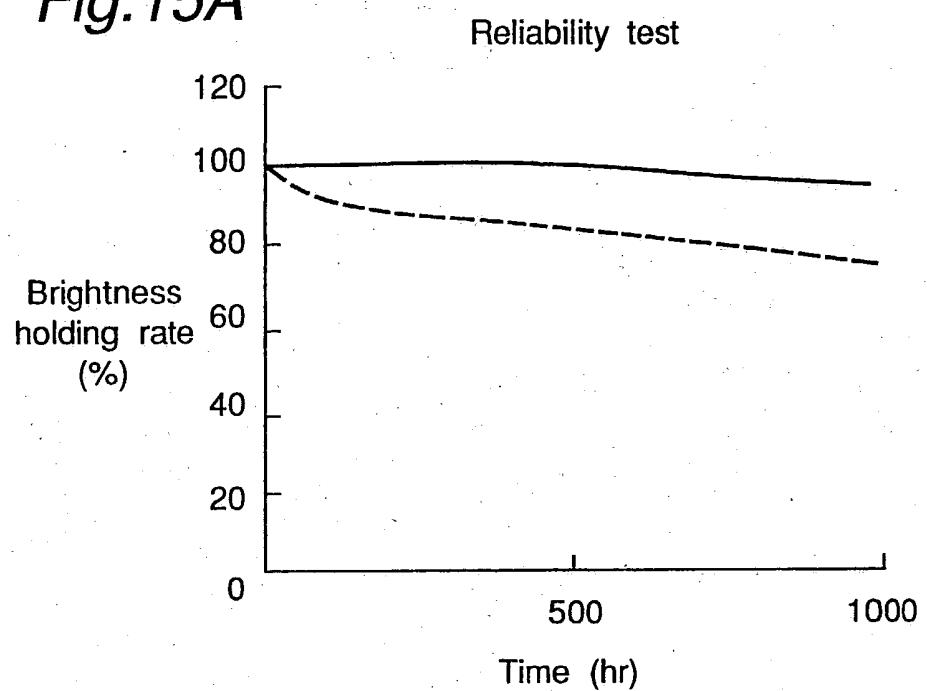


Fig. 15B

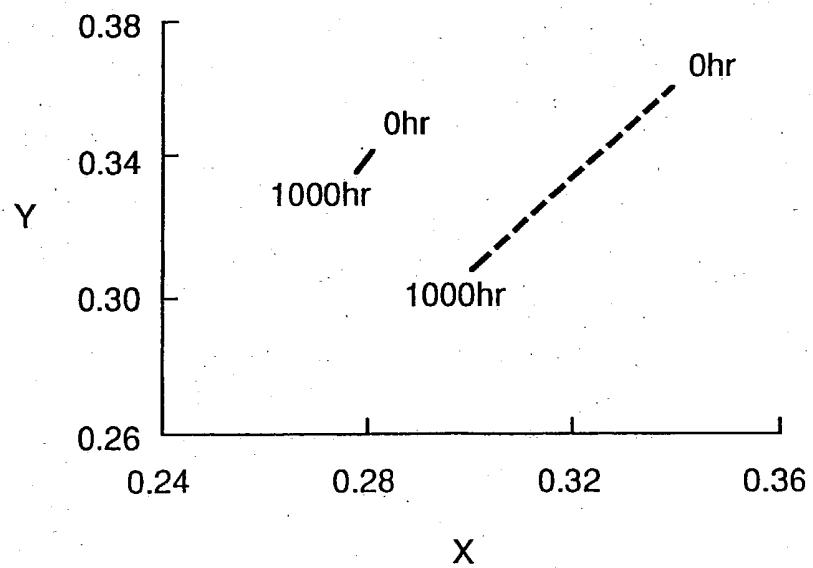


Fig. 16

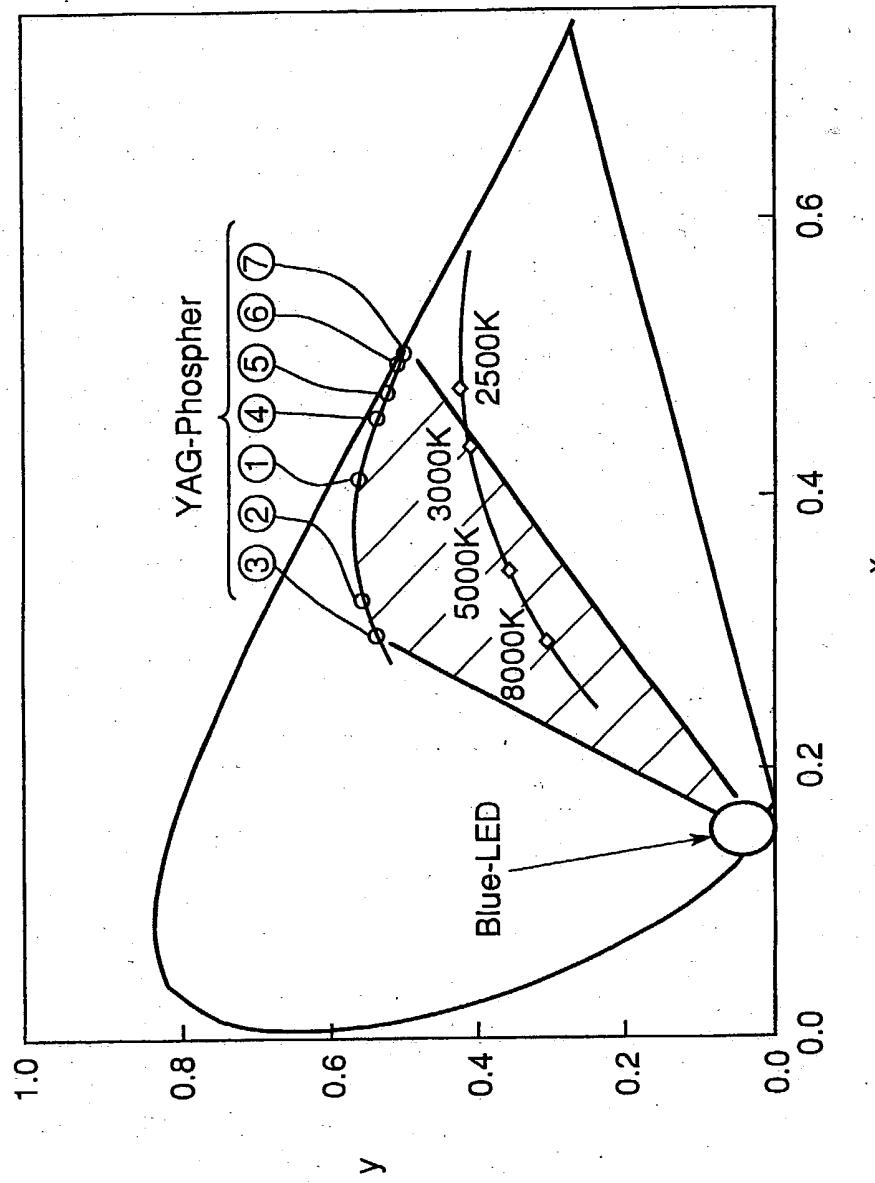


Fig. 17

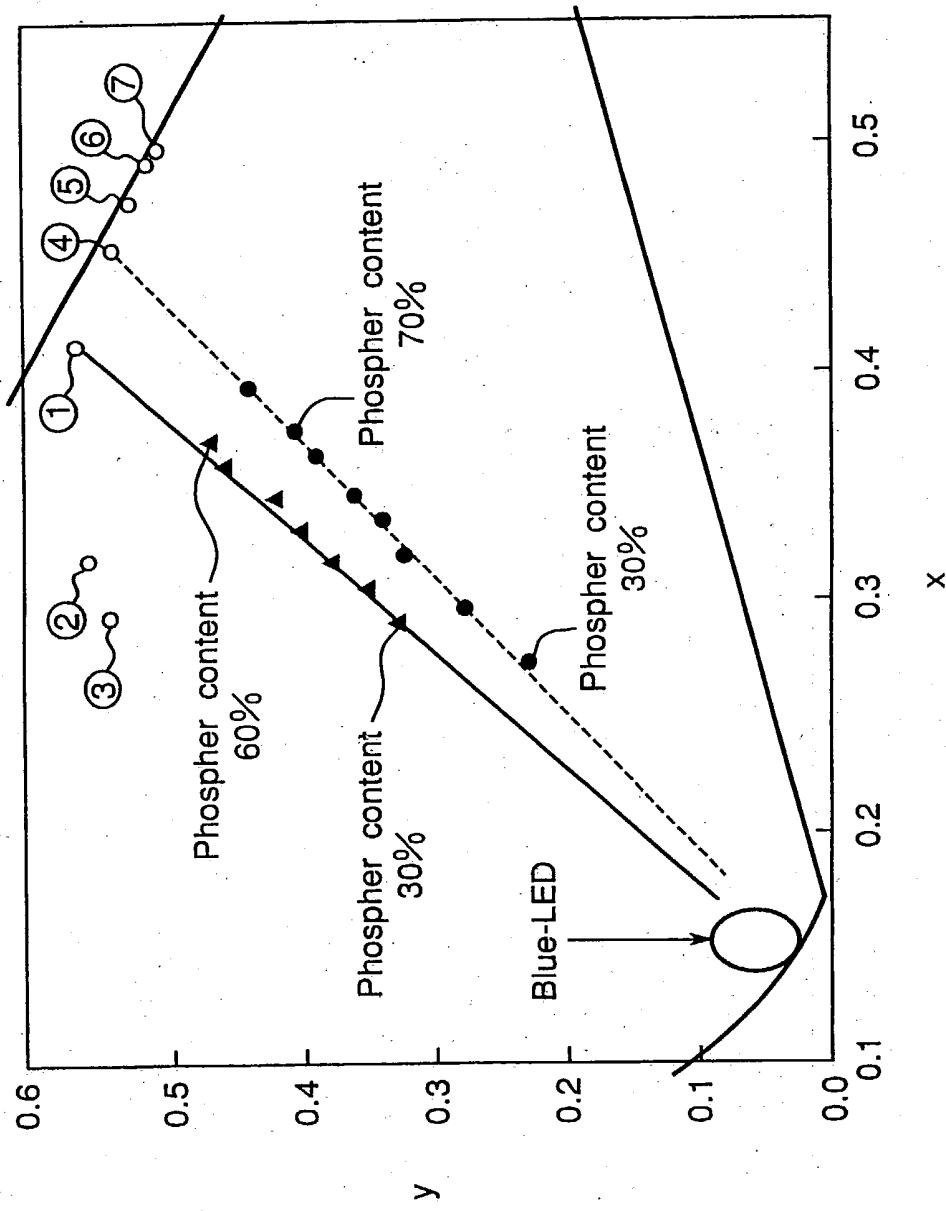


Fig. 18A

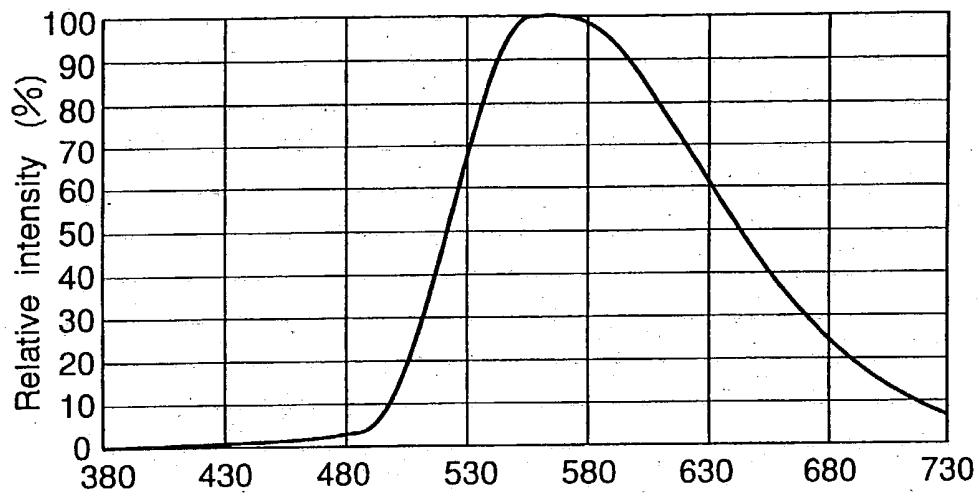


Fig. 18B

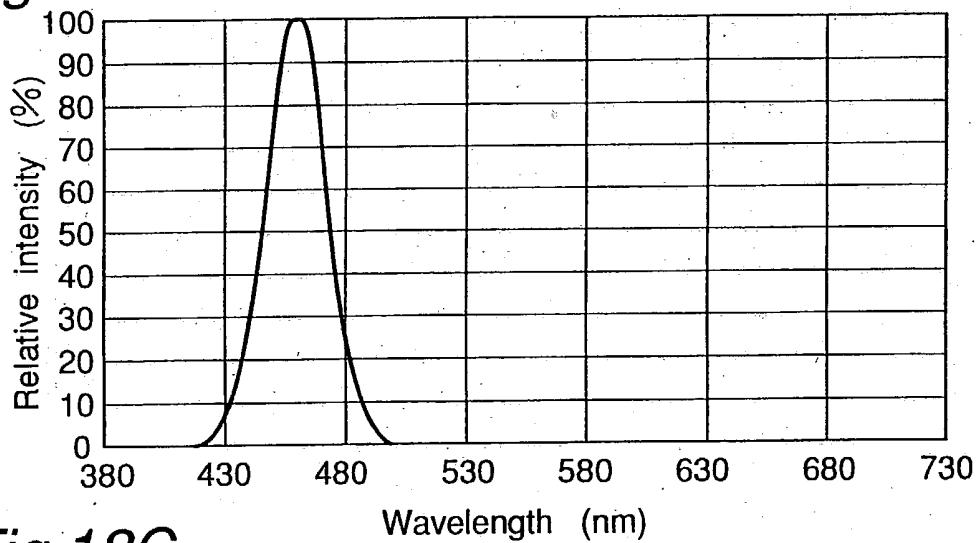


Fig. 18C

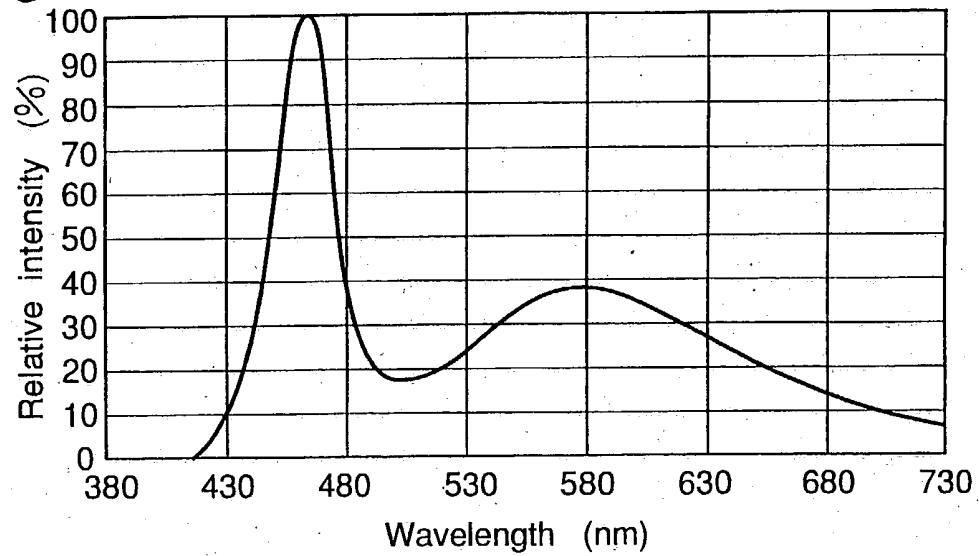


Fig. 19A

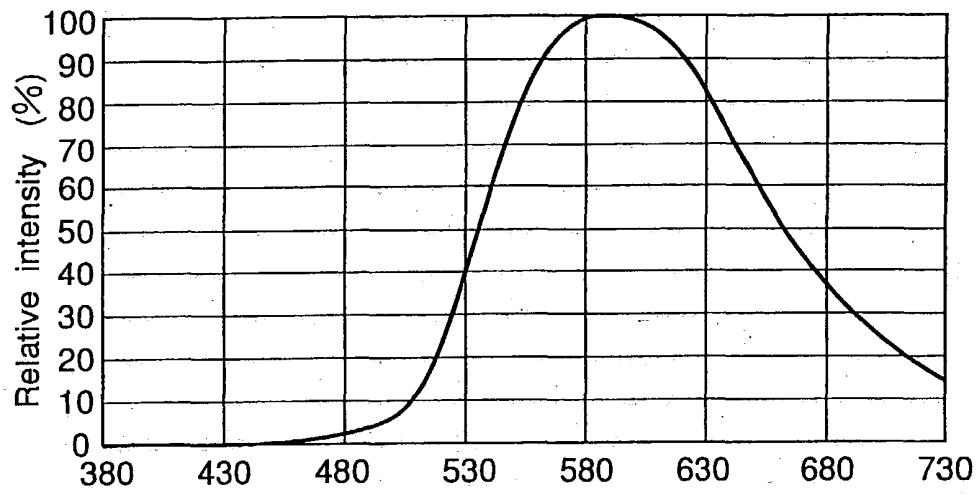


Fig. 19B

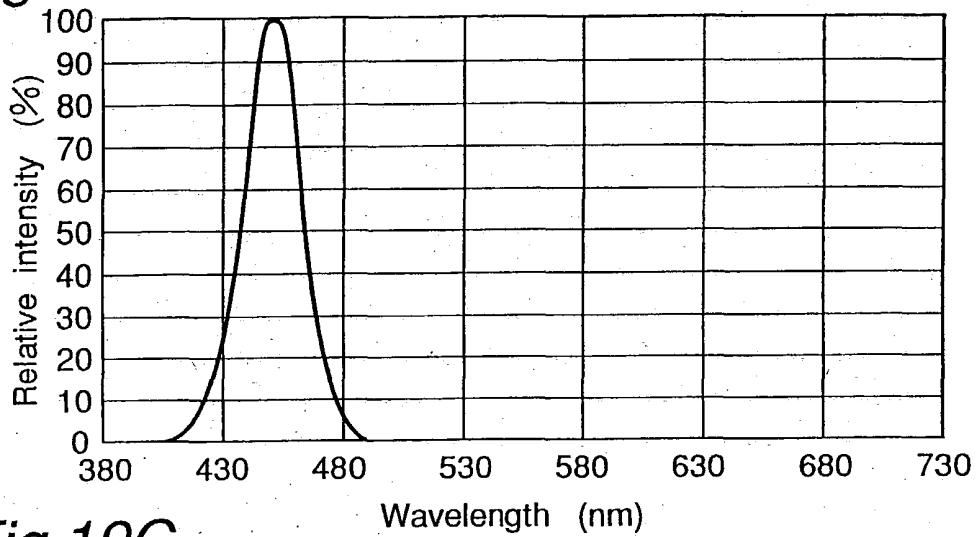


Fig. 19C

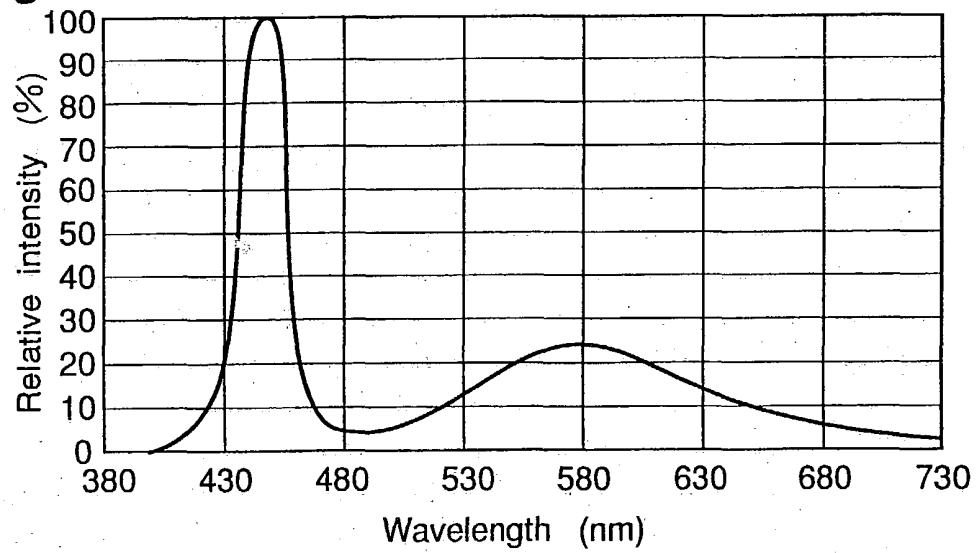


Fig.20A

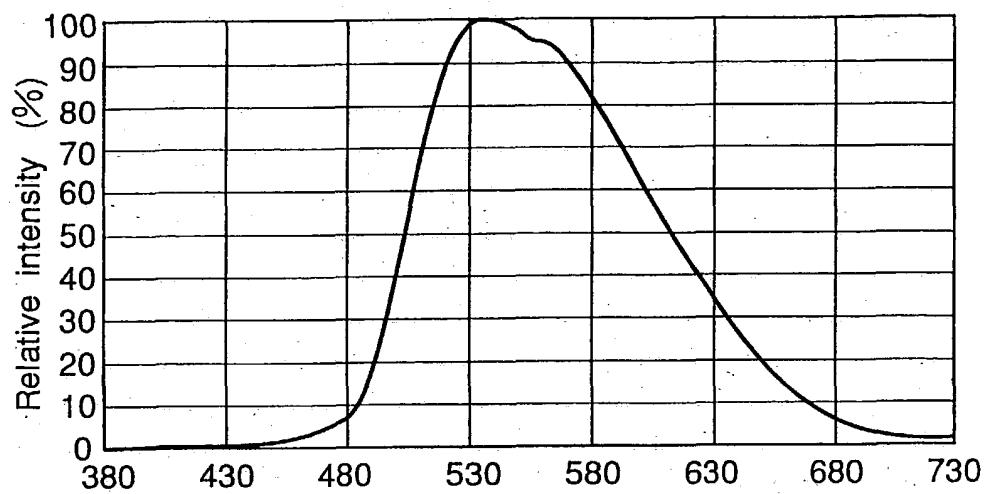


Fig.20B

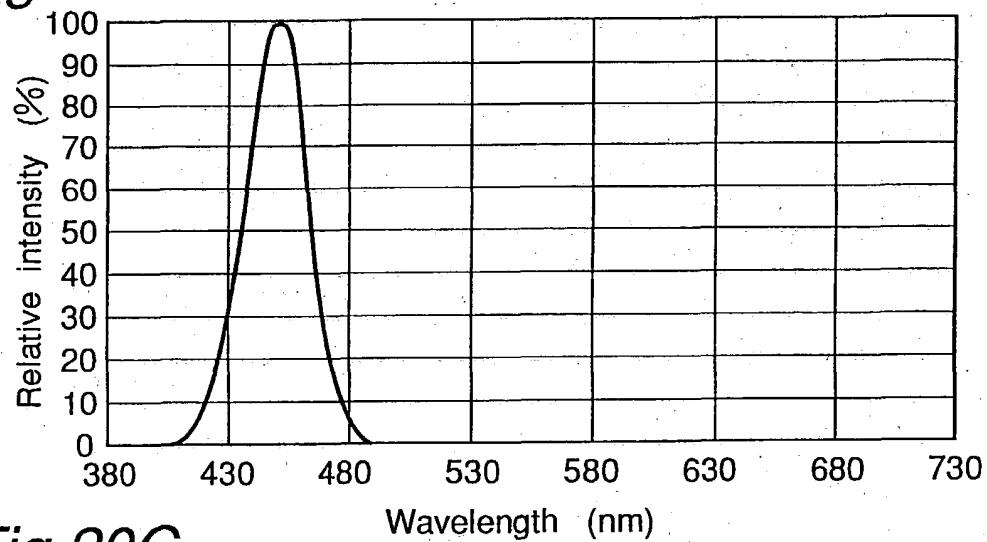


Fig.20C

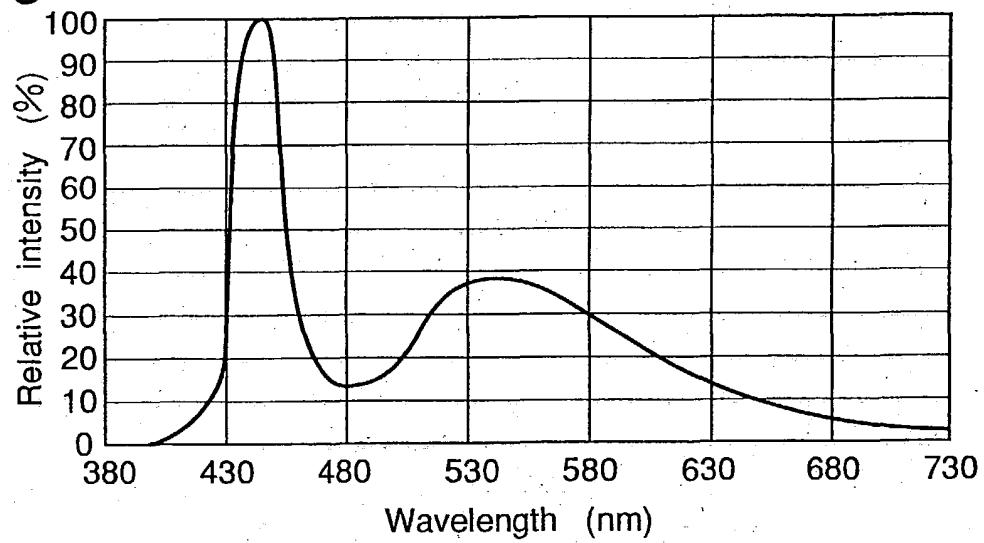


Fig.21A

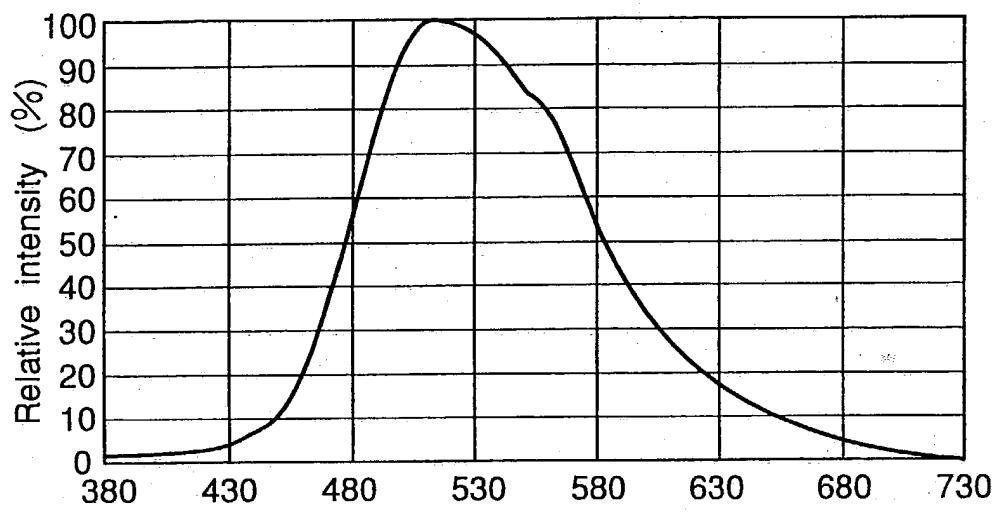


Fig.21B

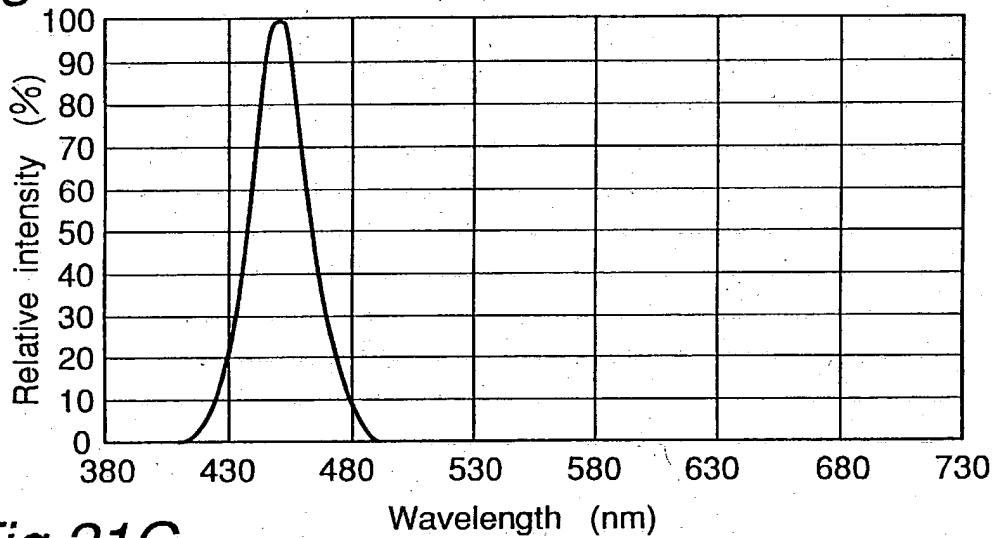


Fig.21C

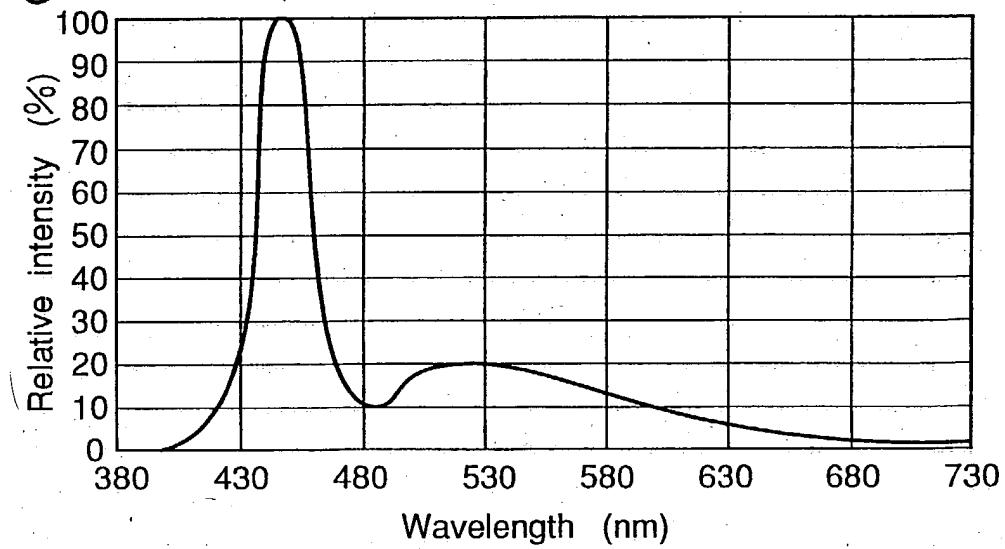


Fig.22A

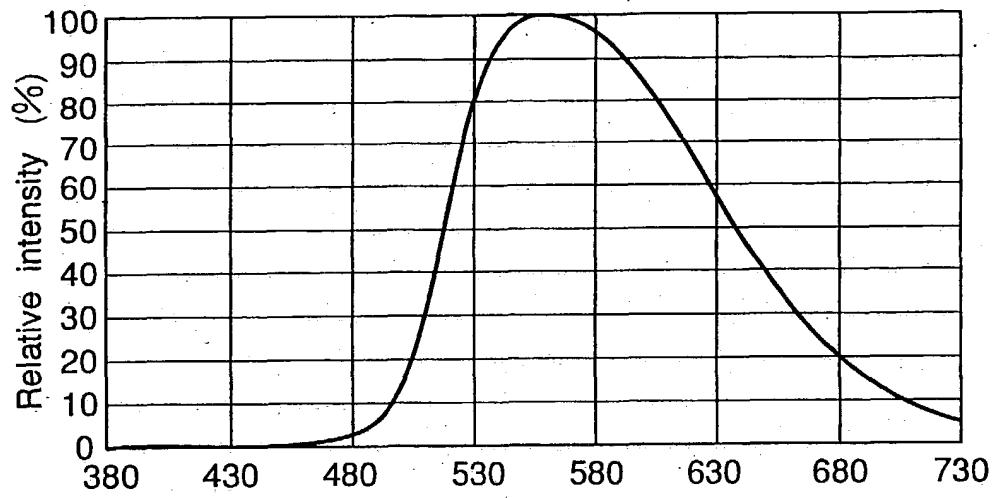


Fig.22B

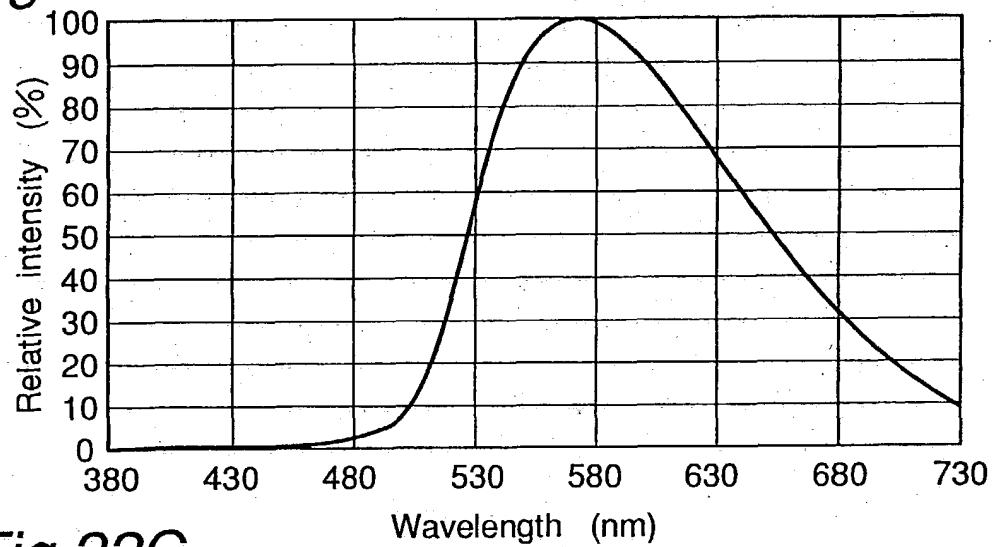


Fig.22C

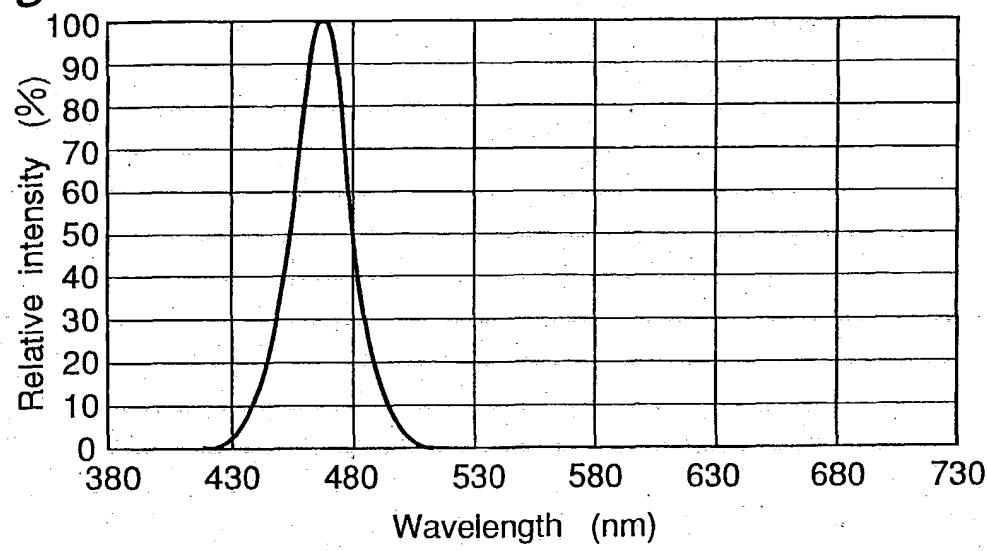


Fig.23

